NATIONAL LIBRARY OF MEDICINE
NEWS

Vol. XXIII, No. 1 Bethesda, Maryland 20014 January 1968

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MEDICAL LIBRARY

NLM Programs Reorganized

Health, Education, and Welfare Secretary John W. Gardner has approved a new Table of Organization for the National Library of Medicine. The reorganization plan was developed by NLM Director Martin M. Cummings, M.D., to accommodate new programs and broadened responsibilities, and to facilitate new approaches to existing programs.

"The assignment to the Library of new and important missions in toxicological information and audiovisual production and dissemination, and the establishment of a research and development program in biomedical communications made reorganization essential to the successful management of NLM programs," according to Dr. Cummings.

The new organization identifies five major programs in biomedical communications within the Library's mission (see Table, Page 7):

(1) *Library operations*, incorporating the Technical Services, Reference Services, Bibliographic Services, and History of Medicine Divisions under Dr. Joseph Leiter, Associate Director for Library Operations;
(2) *Specialized information services*, comprising the Toxicology Information Program and the Drug Literature Program, under Dr. Charles N. Rice, Associate Director for Specialized Information Services;
(3) *Audiovisual programs*, incorporating the activities of the National Medical Audiovisual Center under Dr. James Lieberman, Associate Director for Audiovisual-Telecommunications;
(4) *Research and development*, under Dr. Ruth M. Davis, Associate Director for Research and Development; and
(5) *Extramural programs*, under Mr. David F. Kefauver, Associate Director for Extramural Programs.

Another significant change is the establishment of the Office of Computer and Engineering Services (accomplished through transfer and redesignation of the Information Services Division, formerly in the intramural programs); OECS is headed by Acting Chief Thomas Joyce. In the Office of the Director, OECS can most effectively respond to the needs of all library operations.

The reorganization became effective on January 9 when the announcement was published in the Federal Register. The Federal Register notice is reproduced on page 8.

NATIONAL LIBRARY OF MEDICINE
NEWS

Martin M. Cummings, M.D. Director, NLM

Gerald N. Kurtz, Chief, Office of Information and Publications

Ann Lindsay Editor (Phone 301-496-1030)
Daniel Carangi Graphics Editor

Published monthly by the Public Information Office, National Library of Medicine, Public Health Service, for health science libraries, the health professions, and news media.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget, January 18, 1963.

8600 Rockville Pike, Bethesda, Maryland 20014

Toxicology Sources Sought

The Toxicology Information Program is interested in registering all organizations, institutions, groups, or individuals with special knowledge or informational competence in any aspect of toxicology. This work is being carried out by the National Referral Center for Science and Technology (Library of Congress) under contract with and on behalf of the Toxicology Information Program.

LC's Center uses its current collection of over 8,700 information resources to provide a continuing referral service, directing those who need information on a particular subject to those organizations or individuals with specialized knowledge on that subject. The data gathered will become a part of a comprehensive register of information resources. The Center also issues directories covering both broad and specific subject fields and analyzes the nation's scientific information network.

Those who wish to register their specialized capabilities in toxicology should call or write the National Referral Center for Science and Technology, Library of Congress, Washington, D.C. 20540; telephone (202) 967-8341.

National Libraries Task Force - *Progress Report*

The National Libraries Task Force on Automation and Other Cooperative Services has issued its first progress report. The report contains a list of desirable products and services to be derived from the combined automation efforts of the three national libraries -- including book catalogs, machine-readable cataloging data, demand and recurring bibliographies, and coordination of classification, acquisitions, and reference services. Problems of compatibility identified or foreseen include questions relating to standard coding, character sets, terminology, transliteration, and communication links among the three libraries.

The report's recommendations will now be used as a basis for further discussion. The report indicates that the problem of compatibility among the three national libraries is obviously urgent, but that it is necessary first to define what they want from the system if they are to function jointly.

(Continued on Page 7)

NLM PROGRAM REPORT No. 8 - Project RISC

by Mr. Ralph A. Simmons

Mr. Simmons is Head of the Information Sciences and Computer Sciences Group, Office of the Associate Director for Research and Development.

A major goal of NLM's Research and Development Program is to move as rapidly as possible to establish limited operational and experimental network capability through the installation at the Library of remote terminal links to a variety of data systems. This is an early step toward the application of advanced technology to the communication problems of the biomedical community.

The terminal facility at the Library has been designated as the Remote Information Systems Center (RISC). On-line terminals either in place or in the process of being procured include a teletype model 37 with card dialing data set (photo), the Dura Model 1040 chemical typewriter, and an IBM 1050 configuration. The first application planned for this equipment includes access to the time-sharing system of the System Development Corporation (SDC), linking with the Army's Chemical Information Data System (CIDS). This will provide capability of receiving on-line machine-readable search requests from the decentralized MEDLARS Stations, and support for statistical analysis required for the Office of Research and Development and other Library programs. The SDC system and CIDS are supporting experimentation in the use of time-sharing computer capabilities and remote-terminal links for application to the operational problems of the Library and to the broader problem of biomedical information transfer.

The IBM 1050 equipment will begin serving the MEDLARS search services early this year. This linking of MEDLARS Stations with NLM precludes the need for the operation of expensive local computer activities. Thus, the first increment of the biomedical communications network is in the process of being established and applied to actual operational support.

In addition, effort is underway to place subsets of the MEDLARS data base on computer disc files for on-line query experimentation from a remote terminal. A cooperative program has begun with the University of Virginia Medical School as well as a parallel program at the Library. These two subsystems are to be linked for interaction and evaluation.

Plans are also underway to link with the computer capabilities of Lincoln Laboratories, MIT, for experimentation under time-shared operations on the

(Continued on Page 4)

Laboratory's IBM 360/67 with on-line techniques for medical library operations. The terminal facilities for these applications will be located within RISC. In the anticipation that remote, on-line use of computers will eventually find significant application in the operations of the Library, RISC offers a means of demonstrating for NLM personnel the capabilities offered by such systems and the techniques required to use them. The terminal equipment and system connections will also serve as a training ground for our personnel.

RISC has already made it possible for several divisions to create record formats for essential files. Experimentation is underway on the querying, updating and manipulation of these files.

The total program outlined for RISC will assist Library programs with current operational problems, provide important information to be used in the establishment of the developing biomedical information network and assist in the design of parts of the future MEDLARS II (see page 6). The RISC will serve as a tangible point of access for the participation of all Library components in some phase of the continuing research, development and application program.

Staff Appointments

Library Operations

Mr. C. Dake Gull has been appointed by Dr. Joseph Leiter as Assistant Project Officer for the MEDLARS Stations.

Mr. Gull will coordinate activities between NLM and the Stations (including those in England and Sweden) and will develop appropriate means of interchange of technical information through reports, technical bulletins, and other media. He will serve as the single clearing point for decentralized MEDLARS information as it flows to and from NLM.

According to Dr. Leiter, a technical bulletin will carry such information as notices of changes in tape formats and distribution schedules, changes in indexing practices and search strategies, developments in bibliographic output capabilities, and results of research investigations of MEDLARS capabilities and effectiveness.

Mr. Gull was Professor of Library Science at Indiana University before joining NLM's Technical Services Division *(NLM News*, October 1967).

Mrs. Elsa Gannon has joined the Technical Services Division as Assistant to the Head of the Cataloging Section. Mrs. Gannon, who earned a B.S. in languages from Georgetown University and an M.S. in library science from The Catholic University of America, was formerly Head of the Cataloging Department at the library of Georgetown University. In her current assignment, Mrs. Gannon will aid in monitoring NLM's shared cataloging contracts with the Francis A. Countway Library of Medicine, and the Library of the State University of New York (SUNY) Upstate Medical Center. She will also be concerned with activities relating to the Library of Congress shared cataloging program and the National Libraries Task Force on Automation and Other Cooperative Services.

Extramural Programs

Leon J. Niemiec, Ph.D., has joined the Facilities and Research Division of NLM's Extramural Programs. He will work with the Regional Medical Library Programs.

Dr. Niemiec received an M.S. degree from Columbia University School of Public Health, and a Ph.D. from the University of Iowa, where his major field of concentration was hospital and health administration.

Dr. Niemiec formerly served with the National Institute of Child Health and Human Development.

Illinois Scholar Completes Study at NLM

Dr. Harry Dowling, M.D., Professor and Head of the Department of Medicine, University of Illinois College of Medicine, Chicago, has just completed a sabbatical year during which he worked at NLM as a Health Science Scholar.

Dr. Dowling concentrated during this year on the compilation of materials relating to his "Study of the Discovery, Development, Regulation, and Use of Drugs." This research was part of a project which is being supported by a Special Scientific Project Award, under NLM's Extramural Programs.

Associate Director to Advise NIH Program

Dr. Joseph Leiter, Associate Director for Library Operations, has been appointed to a new Advisory Committee formed by the National Institute of Neurological Diseases and Blindness.

The Committee will advise NINDB on the Science Information Program's objectives, operations, results, and future needs. It will also review the progress of the Neurological Information Network, and evaluate the impact of Institute information programs on the biomedical community.

Cumulated Index Medicus 1967

Cumulated Index Medicus, Volume 8, containing approximately 165,000 citations, will be off the presses and ready for distribution late in March.

Of the four case-bound volumes, the first three list citations by subject, the fourth by author. The first volume also contains a list of journals indexed in 1967 and *Medical Subject Headings* (MeSH). The fourth volume also includes *Cumulated Bibliography of Medical Reviews* (BMR) for 1967. This is the first time *BMR* has been published as part of *CIM*.

Orders are now being accepted for *Cumulated Index Medicus*, Volume 8, 1967, by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 for $38 a set ($43.60 foreign).

NLM Annual Report

Single copies of the Library's Annual Report for Fiscal Year 1967 are now available on request from: Assistant to the Director, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20014.

Medlars II

The increasing volume of published medical literature and increasing service demands will soon exceed the capacity of the present MEDLARS to absorb the growing workload. The system, which became operational in 1964, is performing as planned over its projected life of five years, which ends June 1969.

The Library is now evaluating proposals from contractors. It is anticipated that selection of a new computer system will be made early in the spring.

The MEDLARS II computer configuration will incorporate: 1) increased processing capability; 2) intermediate access storage; 3) time-sharing; and, 4) on-line access to data bases from remote terminals. Translated into program capabilities, these new features will provide: 1) a greatly increased file capacity which will allow the maintenance of abstracts on the data record; 2) quicker response to an increasing volume of bibliographic service requests including demand searches and recurring bibliographies; 3) more current data through on-line record up-dating; 4) an automated acquisition and cataloging system with cataloging data availability to other medical libraries through remote terminal access to the NLM record files; 5) a graphic image storage and retrieval system for more rapid provision of interlibrary loans through automated search and print-out capability; 6) development of specialized information services by the toxicology information and drug literature programs through the addition of chemical structure search capabilities in the new system; and 7) additional information management capabilities to be utilized in support of the developing biomedical communication network.

New NLM Literature Searches

Single copies of the following new bibliographies are available on request to the Office of the Assistant to the Director, National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20014. They should be ordered by number. Please do not send requests on interlibrary loan forms.

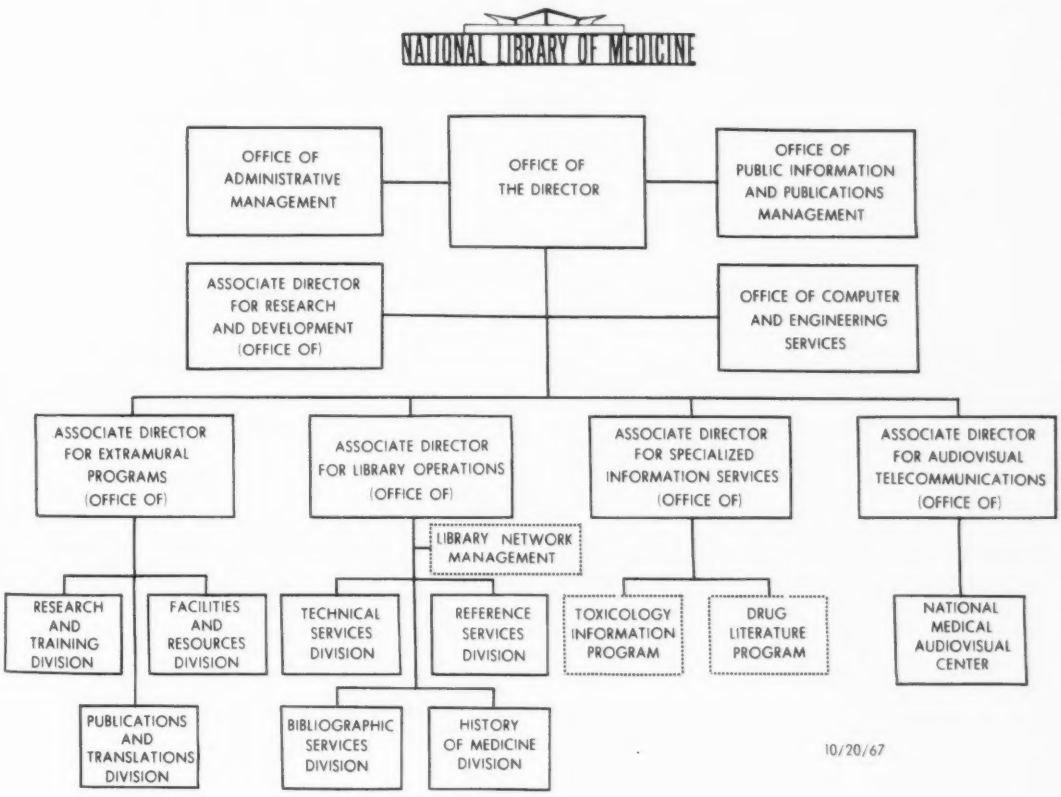
L.S. No.	Title	No. of Citations
21-67	Epidemiology of suicide. Mid-1963-Sept. 1967.	299
1-68	Clinical studies involving estrogens. Mid-1963-Sept. 1967.	190
2-68	Neoplasm models. Mid-1963-Aug. 1967.	79
3-68	Tumors of cold-blooded vertebrates. Mid-1963-May 1967.	123
1A-66	Exercise and the electrocardiogram. January 1966-Sept. 1967 (This is an updating of L.S. 1-66)	148

(National Libraries Task Force, from Page 2)

The Task Force is now engaged in discussion of each compatibility problem area in detail in order to produce recommendations on the best means of solving each problem.

The Task Force, which was established last June (*NLM News*, July 1967), by Dr. L. Quincy Mumford, Librarian of Congress, Foster E. Mohrhardt, Director of the National Agricultural Library, and NLM Director Martin M. Cummings, M.D., was initiated "to speed the flow of research information to the nation's libraries and to the scholars and researchers who use them."

Mr. Samuel Lazerow, who has served in all three libraries, first as Chief, Acquisitions Division, at NAL, later as Chief, Technical Services Division, NLM, and currently as Chief, Serial Record Division, LC, has replaced LC's Mr. Stephen R. Salmon as Chairman of the Task Force.


NATIONAL LIBRARY OF MEDICINE
OFFICE OF ADMINISTRATIVE MANAGEMENT
OFFICE OF THE DIRECTOR
OFFICE OF PUBLIC INFORMATION AND PUBLICATIONS MANAGEMENT
ASSOCIATE DIRECTOR FOR RESEARCH AND DEVELOPMENT (OFFICE OF)
OFFICE OF COMPUTER AND ENGINEERING SERVICES
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ASSOCIATE DIRECTOR FOR SPECIALIZED INFORMATION SERVICES (OFFICE OF)
ASSOCIATE DIRECTOR FOR AUDIOVISUAL TELECOMMUNICATIONS (OFFICE OF)
LIBRARY NETWORK MANAGEMENT
RESEARCH AND TRAINING DIVISION
FACILITIES AND RESOURCES DIVISION
TECHNICAL SERVICES DIVISION
REFERENCE SERVICES DIVISION
TOXICOLOGY INFORMATION PROGRAM
DRUG LITERATURE PROGRAM
NATIONAL MEDICAL AUDIOVISUAL CENTER
PUBLICATIONS AND TRANSLATIONS DIVISION
BIBLIOGRAPHIC SERVICES DIVISION
HISTORY OF MEDICINE DIVISION
10/20/67

FEDERAL REGISTER, VOL. 33, NO. 5—TUESDAY, JANUARY 9, 1968

Office of the Secretary

PUBLIC HEALTH SERVICE

Statement of Organization and Functions and Delegations of Authority

Part 4 (Public Health Service) of the Statement of Organization and Functions and Delegations of Authority for the Department of Health, Education, and Welfare (32 F.R. 9739 et seq., July 4, 1967), as amended, is hereby amended as follows:

With regard to section 4-B, *Organization and Functions*—Under the heading National Library of Medicine (2300) delete all paragraphs through *National Medical Audiovisual Center* (2370) and insert:

The National Library of Medicine (1) assists the advancement of medical and related sciences through the collection, dissemination, and exchange of information important to the progress of medicine and health, (2) serves as a national medical information resource for medical education, research, and service activities of Federal and private agencies, organizations, institutions, and individuals, (3) publishes and distributes guides to medical literature and audiovisual materials in the form of catalogs, indexes, and bibliographies, (4) develops, produces, and disseminates audiovisual materials and systems and other aids to medical education, research, and practice, (5) supports the translation and publication of biomedical literature, (6) provides support for medical library development and for training of biomedical librarians and other health information specialists, (7) conducts and supports research in techniques and methods for grants processing, and administrative management services.

Research and Training Division (23313). (1) Supports the conduct of research and development projects to: (a) Gain a better understanding of the production, processing, and communication patterns of information in the biomedical and related sciences, (b) identify the needs that institutions and workers in the health sciences have for this information, and (c) apply this new knowledge to the development of more efficient and effective communications modalities, (2) supports research projects in the history of life sciences, (3) supports training projects to increase the availability of medical librarians and health communications specialists, and makes awards to individuals in the form of traineeships and fellowships for advance training and research in health information, (4) makes special awards to qualified scientists for the purpose of preparing comprehensive studies and critical reviews of the literature, and (5) provides secretariat services and staff assistance to advisory committees in these program areas.

Facilities and Resources Division (23315). (1) Administers programs of grants for: (a) Constructing, renovating, and expanding health sciences libraries throughout the country, (b) augmenting the basic resources of these libraries, and (c) developing a national system of regional medical libraries, and (2) provides secretariat services and staff assistance to advisory committees in these program areas.

Publications and Translations Division (23317). (1) Supports through grants and contracts the preparation and publication of translations, indexes, bibliographies, abstracts, and other publications to increase the availability and facilitate the utilization of published information in the health sciences, and (2) provides secretariat services and staff assistance to advisory committees in these program areas.

Office of the Associate Director for Library Operations (2341). (1) Administers the Library's direct operations, (2) analyzes and evaluates direct operations in relation to program needs, and (3) plans and administers a national biomedical library network.

Technical Services Division (23413). (1) Recommends policy on scope and coverage of the collection, (2) acquires and catalogs materials for the collection, (3) develops and maintains national and international publication exchange relationships, (4) publishes catalogs of the Library's acquisitions and holdings, and (5) performs studies directed toward mechanization and automation of technical services.

Reference Services Division (23415). (1) Provides reference services, assistance, and facilities, (2) administers the interlibrary loan program, (3) maintains, circulates, and preserves the Library's collection, (4) provides photographic and photocopying services, and (5) operates a graphic image storage and retrieval program.

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History of Medicine Division (23419). (1) Acquires, organizes, and services the historical source materials of the Library, (2) performs research in the history of medicine, (3) contributes to historical studies by publishing catalogs, bibliographies, and other aids to medical-historical scholarship, and 4) collects, catalogs, and controls the Library's historical collection of pictorial materials including films, prints, photographs, slides, and paintings.

Office of the Associate Director for Specialized Information Services (2353). (1) Coordinates the development and operation of specialized information services throughout the NLM, (2) plans, develops, and operates a national toxicological information system, and (3) develops and administers a program to organize and analyze published information on the effects of drugs and chemicals on man, and prepares special bibliographies and reports on that subject.

Office of the Associate Director for Audiovisual-Telecommunications (2371). (1) Plans, directs, coordinates and evaluates a national program in biomedical audiovisual and telecommunications, and (2) provides program management support for the National Medical Audiovisual Center.

National Medical Audiovisual Center (23712). (1) Operates the central facility in the Public Health Service for the development, production, distribution, evaluation, and utilization of motion pictures, videotapes, and other audiovisual forms, (2) coordinates a comprehensive audiovisual program for the Service to assure maximum responsiveness and economy of funds and manpower, (3) provides consultation and assistance in the development of specialized audiovisual activities, (4) encourages the production, dissemination, and utilization of medical films and other audiovisuals in the schools of health professions and elsewhere, (5) operates a national clearinghouse and archival program, and (6) acts as a national and international film and videotape center for the distribution and exchange of biomedical audiovisuals.

Dated: January 3, 1968.

DONALD F. SIMPSON,
Assistant Secretary for Administration.

[F.R. Doc. 68-297; Filed, Jan. 8, 1968; 8:51 a.m.]

NATIONAL LIBRARY OF MEDICINE
NEWS

Bethesda, Maryland 20014

MAR 14 1968

MEDICAL LIBRARY

KURTZ - 301-496-6308 (Office)
MEHNERT - 301-496-1030 (Office)

ANNOUNCEMENT - FOR IMMEDIATE RELEASE

BETHESDA, MD., March 1 -- To assist construction of medical libraries at six leading medical schools the U.S. Public Health Service has awarded $6,784,932 in grants, Surgeon General William H. Stewart announced today.

The awards, made under the authority of the Medical Library Assistance Act (P.L. 89-291) and administered by the National Library of Medicine are:

Recipient Medical School	Library	Grant Amount
Boston University	School of Medicine Library, 95,000 volumes, 485 reader capacity.	$1,010,000
Brown University Providence, Rhode Island	The Library of Science, 500,000 volumes (91,000 medical), 1,000 reader capacity.	536,331
George Washington University, Washington, D.C.	Paul Himmelfarb Library, 90,000 volumes, 300 reader capacity.	1,295,595
Jefferson Medical College Philadelphia, Pennsylvania	Scott Library, 145,000 volumes, 500 reader capacity.	1,765,636
University of Nebraska Omaha, Nebraska	School of Medicine Library, 270,000 volumes, 300 reader capacity.	1,636,077
Rutgers-the State University New Brunswick, New Jersey	The Library of Science and Medicine, 250,000 volumes, 500 reader capacity.	541,293

(MORE)

These awards follow closely the first construction grant award under the Act ($1,432,246 to Wayne State University in Detroit announced on February 19). According to David F. Kefauver, NLM Associate Director for Extramural Programs, a total of approximately $10 million in health-science libraries construction grants will be awarded by June 30, 1968.

In addition to construction grants, the Medical Library Assistance Act authorizes programs of assistance to health-science libraries for resources, training, research, publications, and the development of Regional Medical Libraries. More than $10 million has been awarded under these programs since the Act was signed into law by President Johnson in October 1965.

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NATIONAL LIBRARY OF MEDICINE **fact*sheet**

NLM REORGANIZATION Bethesda, Maryland 20014 January 9, 1968

THE UNIVERSITY OF MICHIGAN *

MAR 14 1968

MEDICAL LIBRARY

This is the full text of the reorganization of the National Library of Medicine as published in the Federal Register, Vol. 33, No. 5, January 9, 1968.

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Office of the Director (2311). (1) Directs and coordinates library activities, (2) advises the Surgeon General on PHS policy relating to the management and control of biomedical communication media, (3) studies, identifies, and defines needs in biomedical communications and (4) provides the secretariat for the NLM Board of Regents.

Office of Public Information and Publications Management (2317). (1) Provides information services for the biomedical community and the general public on NLM programs, services, and products and on biomedical communications through press releases, pamphlets, exhibits, and other media, and (2) coordinates the publication and distribution of NLM publications.

Office of Administrative Management (2319). Provides overall management and administrative services for the Library.

Office of the Associate Director for Research and Development (2321). (1) Conducts research and development in biomedical communications, with emphasis on information sciences, to improve the means of communication of information in the health sciences, (2) applies technology to improvement of library operations, of biomedical information systems, and of communications practices of individual professionals, (3) conducts research and development in document and information handling networks, in graphic image storage, retrieval, and transmission, in query languages, and man and machine communication, (4) applies operations research techniques to NLM programs and operations, and (5) evaluates ongoing systems and programs.

Office of Computer and Engineering Services (2325). (1) Performs systems management of computer applications and operations, systems analysis and design in support of ongoing services, and computer programing services in support of all NLM operations, (2) operates and maintains digital computer, phototypesetting, and related data processing, storage, retrieval, and transmission equipment, (3) establishes production schedules, and performs production control for NLM machine-based operations, and (4) produces and distributes magnetic tapes to MEDLARS search centers and other authorized users in the United States and abroad.

Office of the Associate Director for Extramural Programs (2331). (1) Administers programs to augment and strengthen the health sciences libraries of the nation and to improve biomedical communications through grants to, or contracts with, nonfederal and private institutions, (2) analyzes and evaluates extramural programs in relation to program objectives and national needs to achieve balanced and effective support, and (3) provides grants management, grants processing, and administrative management services.

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